

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Please amend the specification as follows:

Page 1, line 1 change as follows:

DNA ANALYZING METHOD [AND DEVICE THEREFOR]

IN THE CLAIMS:

Please cancel claims 47-49, and 60-61.

Please amend claim 59 as follows:

59. (Amended) The DNA analyzing [method according to Claim 50] method of claim 50,

wherein the comparison of the measured melting curve data of the sample single-stranded DNA fragment with the known melting curve data comprises,

comparing the measured melting curve data of the sample single-stranded DNA fragment with a linear combination of the

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known melting curve data each preliminarily fitted by a superposition of given functions, and

determining that a known melting curve data set with a least statistical error is defined as the sequence information of the sample single-stranded DNA fragment.

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